

# Work Order ID 85245

June-05-12 9:10:12 AM

**\*85245\***

Page 1

Item ID: D412-742-013

Revision ID:

Item Name: Float Skidtube Installation

Start Date: 05/06/2012 Start Qty: 1.00

Required Date: 19/06/2012 Req'd Qty: 1.00

Reference:

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Stop **\*NS2\***

Cust Item ID:

Customer:

Approvals: Process Plan: MLJ Date: 12/06/08 Tooling:

QC: Date: SPC (Y/N):

Date:

Date:

Run Start **\*NR1\***

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
<b>Draw Nbr</b>	<b>Revision Nbr</b>								
IIN D412-742	E								
100		0.00							
<b>*100*</b>	DOCUMENT CONTROL								
DC	Memo	0.00							
Document Control	Photocopy bluefile and create labels per PPP D412-742-013 CHG007								
110	Pick Kit	0.00							
<b>*110*</b>									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
<b>*120*</b>									
QC	Memo	0.00							
Quality Control									

*5/16/04* *KS Per OK 12/7/4*

*( 12/07/03*

*5/16/04*

**B85250**

# Work Order ID 85245

**\*85245\***

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Item ID: D412-742-013

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID:

Item Name: Float Skidtube Installation

Stop **\*NS2\***

Start Date: 05/06/2012 Start Qty: 1.00

**\*1\***

Cust Item ID:

Required Date: 19/06/2012 Req'd Qty: 1.00

**\*1\***

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start **\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop **\*NR2\***

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

130

0.00

**\*130\***

Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D412-742-013

Location:

*Rev F*

*12/7/10*

140

QC21- Final Inspection - Work Order Release

0.00

**\*140\***

QC

Memo

0.00

Quality Control

*12/7/10*  
*MF*  
*12-07-04*

# Picklist Print

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Work Order ID: 85245

**\*85245\***

Parent Item: D412-742-013

**\*D412-742-013\***

Parent Item Name: Float Skidtube Installation

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev: A05.10.13 New Issue KJ/JLM  
 IPP Rev: B 06-06-08 As per DSI9336 JLM IPP Rev: C  
 07-12-03 ECN 1072 DD verified by: JLM  
 IPP Rev: D 08-09-08 ecn 08-510 DD verified by: EC  
 IPP Rev: E 09-01-23 as per DSI9441 DD verified by: EC IPP Rev: F: add  
 AN4C7A DD 10.01.13 verified by: EC IPP Rev: G 11.11.01 as per  
 DSI9517 REV.B DD verified by: EC IPP rev: H 12.01.12 PER IIN  
 REV.E DD VERF: IPP Rev: I add AN4C7A DD 12.03.14  
 verified by: EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

AN4C47A Bolt		Purchased	No			110	Each	48.0000	4	4			
-----------------	--	-----------	----	--	--	-----	------	---------	---	---	--	--	--

Location	Loc Qty	Loc Code
ST361	48	
118451	6	
119798	2	
121009	22	
121585	18	

D412-742-043	Manufactured	No			110	Each	0.0000
--------------	--------------	----	--	--	-----	------	--------

**\*D412-742-043\***

Replacement Float Skidtube

\*\*

\*\*

121585

B85245  
B85280

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/>            Other <input type="checkbox"/> </div> <div>           Engineering Quality <input type="checkbox"/>        </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data <input type="checkbox"/>											
Equip/Tooling <input type="checkbox"/>											
Operator <input type="checkbox"/>											
Material <input type="checkbox"/>											
Offset/Setup <input type="checkbox"/>											
Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unauthorized <input type="checkbox"/>											

FAULT CATEGORY												
<b>Landing Gear</b> <input type="checkbox"/> Bending Passes Below Min <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimp at Bending <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Other <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Ripples on Inner Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			<b>Hardware</b> <input type="checkbox"/> Breaking <input type="checkbox"/> Missing <input type="checkbox"/> Size/Length <input type="checkbox"/> Spinning <input type="checkbox"/> Threading <input type="checkbox"/> Wrong  <b>Drill Holes</b> <input type="checkbox"/> Misaligned <input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Undersized <input type="checkbox"/> Too Many			<b>General</b> <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Documentation/Data <input type="checkbox"/> Finish <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Inspection Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Jigs/Fixtures/Tooling <input type="checkbox"/> Kit Incorrect <input type="checkbox"/> Kit Missing			<input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Off-Set <input type="checkbox"/> Orientation Misread <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Lost <input type="checkbox"/> Part Moved <input type="checkbox"/> Raw Material		<input type="checkbox"/> Set-up <input type="checkbox"/> Supplier <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other _____ _____ _____	

# Picklist Print

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Work Order ID: 85245

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

\*85245\*

\*D412-742-013\*

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

D2571

Manufactured No

110

Each

18.0000

\*D2571\*

Saddle, Fwd Out 205

\*\* ☒ 1 ✓

JB

✓

## Location

## Loc Qty

## Loc Code

ST

1

11644

1

ST425

-13

ST432

17

83451

5

83670

12

ST433

13

83451

D2572

Manufactured No

110

Each

2.0000

\*D2572\*

Saddle, Fwd In 205

\*\* ☒ 1 ✓

85880

JB

✓

## Location

## Loc Qty

## Loc Code

ST432

2

71107

2

Manufactured No

110

Each

22.0000

D2573

\*D2573\*

Saddle, Aft Out 205

\*\* ☒ 1 ✓

83669

JB

12/07/03

✓

## Location

## Loc Qty

## Loc Code

ST423

-12

79424

0

ST433

22

83453

4

83454

6

83669

12

ST434

12

83669

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/>            Other <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Offset/Setup											
Other											
Process											
Supplier											
Training											
Unauthorized											

FAULT CATEGORY				
<b>Landing Gear</b> <input type="checkbox"/> Bending Passes Below Min <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimp at Bending <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Other <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Ripples on Inner Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>Hardware</b> <input type="checkbox"/> Breaking <input type="checkbox"/> Missing <input type="checkbox"/> Size/Length <input type="checkbox"/> Spinning <input type="checkbox"/> Threading <input type="checkbox"/> Wrong  <b>Drill Holes</b> <input type="checkbox"/> Misaligned <input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Undersized <input type="checkbox"/> Too Many	<b>General</b> <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Documentation/Data <input type="checkbox"/> Finish <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Inspection Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Jigs/Fixtures/Tooling <input type="checkbox"/> Kit Incorrect <input type="checkbox"/> Kit Missing	<input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Off-Set <input type="checkbox"/> Orientation Misread <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Lost <input type="checkbox"/> Part Moved <input type="checkbox"/> Raw Material	<input type="checkbox"/> Set-up <input type="checkbox"/> Supplier <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other _____ _____ _____

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Work Order ID: 85245

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

**\*85245\***

**\*D412-742-013\***

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

D2574

Manufactured No

110 Each

22.0000

**\*D2574\***

Saddle, Aft In 205

\*\*

Location

Loc Qty

Loc Code

ST433

22

83455

4

83456

6

83671

12

D2876

Manufactured No

110 Each

132.0000

**\*D2876\***

Saddle Spacer

\*\*

Location

Loc Qty

Loc Code

ST020

132

79693

9

83323

40

83890

83

D2877

Manufactured No

110 Each

102.0000

**\*D2877\***

Saddle Spacer

\*\*

Location

Loc Qty

Loc Code

ST020

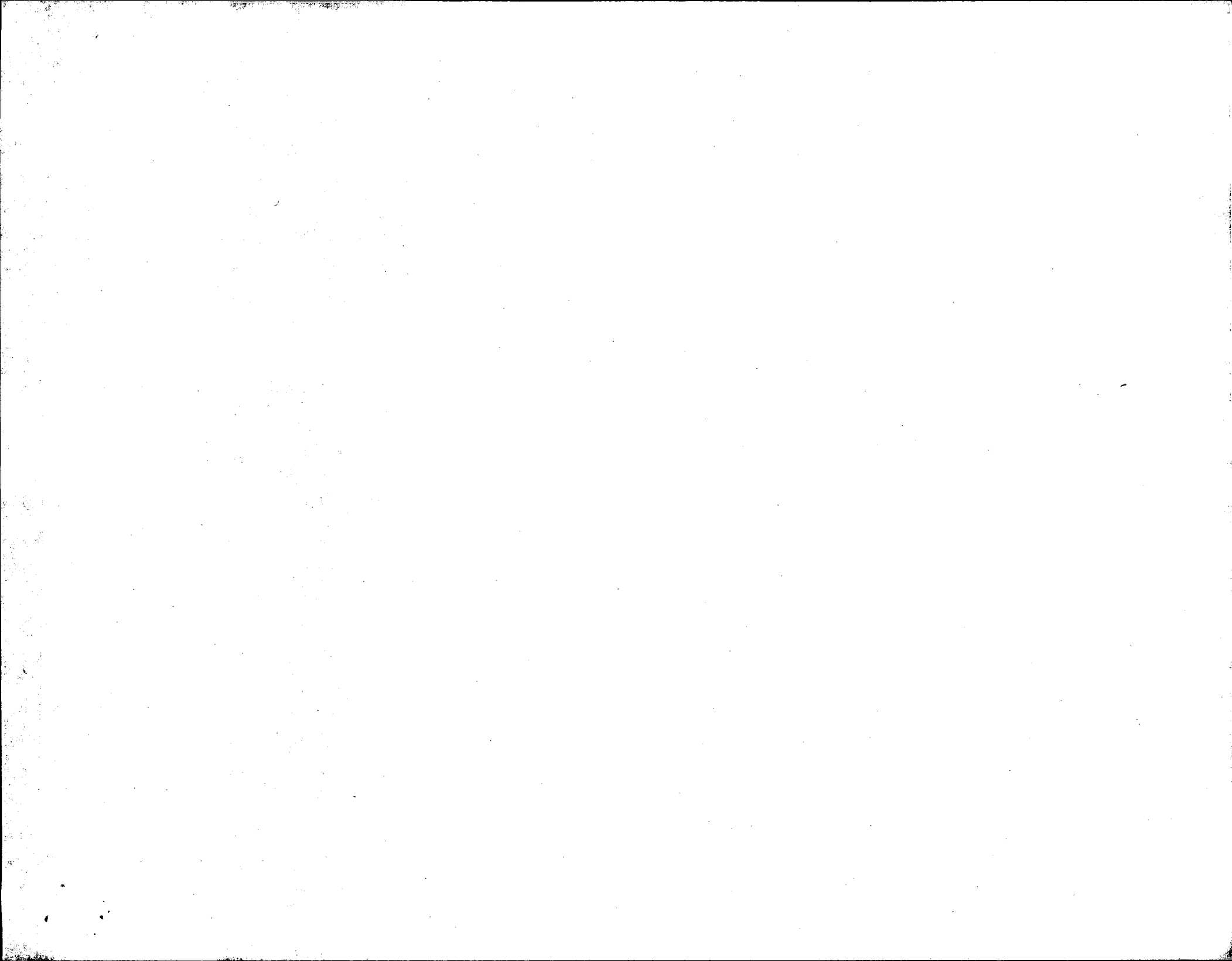
102

83324

39

83891

63





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Work Order ID: 85245

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

\*85245\*

\*D412-742-013\*

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

D3403-1

Manufactured No

110 Each

55.0000

8

8

\*\*

\*D3403-1\*

Bushing

## Location

## Loc Qty

## Loc Code

ST041

15

70696

15

ST042

40

80208

7

80219

4

81529

29

81529

D3403-5

Manufactured No

110 Each

38.0000

8

8

\*\*

\*D3403-5\*

Bushing

## Location

## Loc Qty

## Loc Code

ST042

38

81531

38

81531

D2747

Manufactured No

110 Each

172.0000

4

4

\*\*

\*D2747\*

Set Screw

## Location

## Loc Qty

## Loc Code

ST017

172

79520

5

81877

167

81877

D3533-1

Manufactured No

110 Each

106.0000

2

2

\*\*

\*D3533-1\*

Set Screw

## Location

## Loc Qty

## Loc Code

ST053

106

80326

6

83892

100

83892

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Shop Packet Print

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Work Order ID: 85245

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

\*85245\*

\*D412-742-013\*

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

AN4C6A

Purchased

No

110

Each

567.0000

16

16

\*AN4C6A\*

Bolt

\*\*

121657 JB

Location

Loc Qty

Loc Code

FG

4

103344

4

ST356

563

116704

2

121656

61

21658

500

AN4C53A

Purchased

No

110

Each

22.0000

4

4

\*AN4C53A\*

Bolt

\*\*

JB

Location

Loc Qty

Loc Code

ST361

22

121183

22

121183

AN4C52A

Purchased

No

110

Each

56.0000

4

4

\*AN4C52A\*

BOLT

\*\*

JB

Location

Loc Qty

Loc Code

ST361

56

117688

6

120364

50

120364

AN6C12A

Purchased

No

110

Each

38.0000

8

8

\*AN6C12A\*

BOLT

\*\*

1X 122204

12/07/03

Location

Loc Qty

Loc Code

ST341

38

121541

38

7x 121541

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Shop Packet Print

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Work Order ID: 85245

\*85245\*

Parent Item: D412-742-013

\*D412-742-013\*

Parent Item Name: Float Skidtube Installation

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

D3672-3

Manufactured No

110 Each

655.0000

32

32

\*D3672-3\*

Phenolic Washer

\*\*

84432 JB

Location

Loc Qty

Loc Code

ST060

655

84361

655

AN960C416L NAS1149C0432R

Purchased No

110 Each

0.0000

32

32

\*AN960C416I\*

WASHER

\*\*

121258 JB

D3672-9

Manufactured No

110 Each

348.0000

8

8

\*D3672-9\*

Phenolic Washer

\*\*

JB

Location

Loc Qty

Loc Code

ST060

348

81763

348

NAS1149C0632R

Purchased No

110 Each

231.0000

8

8

\*NAS1149C0632R\*

WASHER

\*\*

JB

Location

Loc Qty

Loc Code

ST297

231

119736

2

121060

29

121825

200

D3672-11

Manufactured No

110 Each

243.0000

8

8

\*D3672-11\*

Phenolic Washer

\*\*

JB

12/07/03

Location

Loc Qty

Loc Code

ST060

243

77483

243

77483

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Shop Packet Print

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Work Order ID: 85245

\*85245\*

Parent Item: D412-742-013

\*D412-742-013\*

Parent Item Name: Float Skidtube Installation

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

MS21043-4

Purchased

No

110

Each

1,287.000

29

29

\*MS21043-4\*

Nut

\*\*

## Location

## Loc Qty

## Loc Code

FG

40

104603

40

ST301

1247

119546

131

121162

616

121652

500

121162

D3403-3

Manufactured

No

110

Each

29.0000

8

8

\*D3403-3\*

Bushing

\*\*

85662 JB

## Location

## Loc Qty

## Loc Code

ST042

29

81530

7

84503

22

D3405-041

Manufactured

No

110

Each

16.0000

1

1

\*D3405-041\*

Lug Assembly

\*\*

82032 JB

12/07/03

## Location

## Loc Qty

## Loc Code

ST478

16

62227

2

77000

2

83896

12

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Work Order ID: 85245

\*85245\*

Parent Item: D412-742-013

\*D412-742-013\*

Parent Item Name: Float Skidtube Installation

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

D3405-043

Manufactured No

110

Each

12.0000

\*\*

\*D3405-043\*

Lug Assembly

## Location

## Loc Qty

## Loc Code

ST478

12

82038

1

83897

11

Purchased No

110

Each

143.0000

\*\*

AN4C7A

\*AN4C7A\*

Bolt

## Location

## Loc Qty

## Loc Code

ST356

143

109147

143

Manufactured No

110

Each

25.0000

\*\*

D3407-041

\*D3407-041\*

Tow Ring

## Location

## Loc Qty

## Loc Code

ST463

25

82067

6

82068

19

Manufactured No

110

Each

31.0000

\*\*

D3417-3

\*D3417-3\*

Washer

## Location

## Loc Qty

## Loc Code

FG

9

33519

9

ST042

22

80225

22

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Work Order ID: 85245

\*85245\*

Parent Item: D412-742-013

\*D412-742-013\*

Parent Item Name: Float Skidtube Installation

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

D3456-1

Manufactured No

110

Each

149.0000

\*\*

\*D3456-1\*

Washer

## Location

## Loc Qty

## Loc Code

FG

7

25701

7

ST044

142

80252

1

81876

41

83584

100

81876

AN3C37A

Purchased

No

110

Each

141.0000

\*\*

\*AN3C37A\*

BOLT

## Location

## Loc Qty

## Loc Code

ST354

141

116874

11

117010

2

120422

3

121068

75

121585

50

121068

AN3C40A7

Purchased

No

110

Each

24.0000

\*\*

\*AN3C40A\*

BOLT

## Location

## Loc Qty

## Loc Code

ST354

24

114442

24

114442

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Work Order ID: 85245

\*85245\*

Parent Item: D412-742-013

\*D412-742-013\*

Parent Item Name: Float Skidtube Installation

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

AN3C41A

Purchased

No

110

Each

138.0000



1

\*\*

\*AN3C41A\*

BOLT

## Location

## Loc Qty

## Loc Code

FG

4

103324

4

ST354

134

120753

24

121013

30

121313

80

121013

AN3C42A

Purchased

No

110

Each

32.0000



1

\*\*

\*AN3C42A\*

BOLT

## Location

## Loc Qty

## Loc Code

ST354

32

106176

1

120464

6

121103

25

121103

AN3C43A

Purchased

No

110

Each

92.0000



4

\*\*

\*AN3C43A\*

BOLT

## Location

## Loc Qty

## Loc Code

ST354

92

114455

2

119673

1

120465

89

120465

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Work Order ID: 85245

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

\*85245\*

\*D412-742-013\*

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

AN3C46A

Purchased

No

110

Each

53.0000

5

✓

\*AN3C46A\*

BOLT

\*\*

JB

11

Location

Loc Qty

Loc Code

ST355

53

120447

53

110

Each

0.0000

26

26

✓

AN960C10L

NAS1149C0332

Purchased

No

\*AN960C10L\*

washer

MS21043-3

Purchased

No

110

Each

1,557.000

13

13

✓

\*MS21043-3\*

Nut

\*\*

122063 JB

120447

\*\*

JB 12/04/03

Location

Loc Qty

Loc Code

FG

72

103691

72

GA

14

120693

14

ST301

1471

118077

2

118614

51

118686

30

119758

20

121255

368


121708

1000

121255



## 5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
		X	D412:742:043	FLOAT SKIDTUBE
		1	D3391-043	412 FLOAT SKIDTUBE
1		*24	*AN3C4A	*BOLT
3		*10	*AN3C6A	*BOLT
4		*4	*AN3C7A	*BOLT
5		*38	*AN960C10L	*WASHER
21		*1	*D4095-041	*WEARSHOE (REPLACES D3564-1)
22		*1	*D4095-043	*WEARSHOE (REPLACES D3564-3)
23		*1	*D4095-045	*WEARSHOE (REPLACES D3564-5)
10		*1	*D3391-021	*412 FORWARD TUBE
11		**1	**D3401-041	**TOW CAP
12A		**10	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)
13		**10	**AN3C4A	**BOLT
14A		**4	**D3672-1	**WASHER (REPLACES NAS1515H3L)
14B		**10	**AN960C10L	**WASHER
24		**1	**D4095-051	**WEARSHOE (REPLACES D3564-13)
20		*1	*D3391-023	*412 MID TUBE
28		**20	**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)
30		*1	*D3391-025	*412 AFT TUBE
25		**1	*D4095-049	**WEARPAD (REPLACES D3537-1)
26		**1	*D4095-047	**WEARPAD (REPLACES D3537-7)
31		**1	**D2646	**AFT CAP
32		**14	**AELS-1032-130	**INSERT
36		**8	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)
37A		**6	**AN3C4A	**BOLT
37B		**4	**AN3C5A	**BOLT
38A		**2	**D3672-1	**WASHER (REPLACES NAS1515H3L)
38B		**10	**AN960C10L	**WASHER

(CONTINUED ON PAGE 20)

(CONTINUED FROM PAGE 19)

Item	Qty -013	Qty -043	Part Number	Description
40	1		D2571	SADDLE, FWD OUTSIDE
41	1		D2572	SADDLE, FWD INSIDE
42	1		D2573	SADDLE, AFT OUTSIDE
43	1		D2574	SADDLE, AFT INSIDE
44	2		D2876	SADDLE SPACER
45	2		D2877	SADDLE SPACER
46A	8		D3403-1	BUSHING
46B	8		D3403-5	BUSHING
47A	4		D2747	SET SCREW
47B	2		D3533-1	SET SCREW
48	16		AN4C6A	BOLT
49A	4		AN4C52A	BOLT
49B	4		AN4C53A	BOLT
50	8		AN6C12A	BOLT
51A	32		D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32		AN960C416L	WASHER
52A	8		D3672-9	WASHER (REPLACES NAS1515H6L)
52B	8		AN960C616L	WASHER
53	8		D3672-11	WASHER (REPLACES NAS1515H7L)
54	24		MS21043-4	NUT
55	4		AN4C7A	BOLT
56	2		D3591-1	BUSHING
60	8		D3403-3	BUSHING
61	1		D3405-041	GHW LUG
62	1		D3405-043	GHW LUG
63	4		AN4C47A	BOLT
64	4		MS21043-4	NUT
70	1		D3407-041	TOW RING
71	2		D3417-3	WASHER
72	1		MS21043-4	NUT
73	1		D3456-1	WASHER
91	1		AN3C37A	BOLT
92	1		AN3C40A	BOLT
93	1		AN3C41A	BOLT
94	1		AN3C42A	BOLT
95	4		AN3C43A	BOLT
97	5		AN3C46A	BOLT
99	26		AN960C10L	WASHER
100	13		MS21043-3	NUT

\*DENOTES PART IS INCLUDED WITH D3391-043 ASSEMBLY ABOVE

\*\*DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. E  
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 4

REF. FAA STC: SR01583SE  
REF. CANADIAN STC: SH05-37  
REF. EASA STC: EASA.IM.R.S.01126

## PURPOSE

For D412-742-011/-013 Float Skidtube Installations, qty(4) AN4C53A bolts may be replaced with qty(4) AN4C52A bolts. Kits may be supplied from Dart with either AN4C52A or AN4C53A bolts.

Note that it is acceptable to use longer or shorter AN4C bolts than those specified, as long as there is a minimum of 1.5 threads in safety.

## CHANGE

The parts lists of Installation Instructions IIN-D412-742 Rev. E and Instructions for Continued Airworthiness ICA-D412-742 Rev. 4 is amended as follows:

5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List (IIN-D412-742)

32.18 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List (ICA-D412-742)

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION

IS:

49B	4			AN4C53A OR AN4C52A	BOLT
-----	---	--	--	-----------------------	------

WAS:

49B	4			AN4C53A	BOLT
-----	---	--	--	---------	------

5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List (IIN-D412-742)

32.19 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List (ICA-D412-742)

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION

IS:

49B	4			AN4C53A OR AN4C52A	BOLT
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WAS:

49B	4			AN4C53A	BOLT
-----	---	--	--	---------	------

A	NEW ISSUE	CP	12.02.28
REV.	DESCRIPTION	BY	DATE
DESIGN	93	<b>DART AEROSPACE USA, INC</b> KENT, WA	
DRAWN	93		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9600	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		BOLT SUBSTITUTION	NTS
DATE	12.02.28	<small>COPYRIGHT © 2012 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	